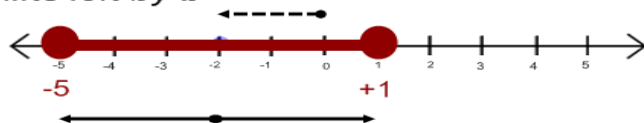


Name: _____ Period: _____ Date: _____

• starting point (erase after finding constraints)
shifts left by b



Count c spaces to the right & left

$$|x + b| \leq c \quad |x + 2| \leq 3$$

| Necessary Vocabulary | Equation Method |
|--|---|
| Absolute Value, Inequality & Expression Coefficient & Variable (x in the formula) Constants (b and c in the formula) | Formula: $ x + b \leq c$ $ x + 2 \leq 3$ $x + 2 \geq -3$ $x + 2 \leq +3$ Solve for x . $x \geq -5$ $x \leq +1$ Compare the number line with these solutions. |

Solve and Draw the Absolute Value Equation

| | | |
|---|------------------|-----------------------|
| 1 | $ x + 3 \leq 7$ | Draw Number Line Here |
| | | |
| 2 | $ x - 1 \geq 4$ | |
| | | |
| 3 | $ x + 0 < 5$ | |
| | | |
| 4 | $ x - 2 > 2$ | |
| | | |